Claims

What is claimed is:

- 1. A dosage form for delivering an antiepileptic drug to a gastrointestinal tract, comprising:
 - a compartment containing a drug formulation layer, the drug formulation layer comprising an antiepileptic drug;
 - a semipermeable wall surrounding the compartment, the semipermeable wall having a passageway that allows communication between the compartment and an exterior of the dosage form;
 - an internal lamina formed on an inner surface of the semipermeable wall, the internal lamina being substantially soluble in water;
 - wherein the internal lamina in a hydrated state forms a gelatinous layer that lubricates the semipermeable wall, thereby substantially preventing crack formation in the semipermeable wall while the dosage form is dispensing the drug.
- 2. The dosage form of claim 1, wherein the internal lamina comprises one or more water-soluble polymers.
- 3. The dosage form of claim 2, wherein the one or more water-soluble polymers are present in the internal lamina in an amount of at least 80% by weight.
- 4. The dosage form of claim 2, wherein the water-soluble polymers are selected from the group consisting of hydroxy alkylcellulose, hydroxypropyl alkylcellulose, carboxy alkylcellulose, and polyalkylene oxide.
- 5. The dosage form of claim 1, wherein the semipermeable material is selected from the group consisting of cellulose acylate, cellulose diacylate, and cellulose triacylate, and blends thereof.
- 6. The dosage form of claim 1, further comprising an expandable layer disposed in the compartment, the expandable layer assisting in delivery of the antiepileptic drug through the passageway.

- 7. The dosage form of claim 6, wherein the internal lamina forms a permeable interface between the semipermeable wall and the antiepileptic drug formulation layer.
- 8. The dosage form of claim 7, wherein the internal lamina forms a permeable interface between the semipermeable wall and the expandable layer.
- 9. The dosage form of claim 1, further comprising an external lamina formed on an external surface of the semipermeable wall.
- 10. The dosage form of claim 8, wherein the external lamina comprises an antiepileptic drug and is configured to immediately deliver the antiepileptic drug in the gastrointestinal tract.
- 11. A process for maintaining the integrity and performance of a dosage form having a semipermeable wall enclosing an antiepileptic drug formulation, comprising:
 - laminating an inner surface of the semipermeable wall with a lamina that is substantially soluble in water;
 - wherein the lamina when hydrated forms a gelatinous layer that lubricates the semipermeable wall, thereby substantially preventing crack formation in the semipermeable wall as the dosage form dispenses the drug.